STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		232	312

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, & SUPPLEMENTS THERETO.

2. THIS PLAN IS NOT COMPLETE IN ITSELF-FOR GENERAL NOTES, DETAILS AND DIMENSIONS NOT SHOWN SEE GEORGIA STANDARD NO. 2321 FOR SINGLE CULVERTS AND GEORGIA STANDARD NO. 2325 FOR DOUBLE AND TRIPLE CULVERTS.

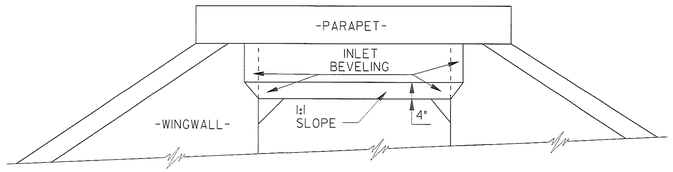
3. CHAMFER - CHAMFER ALL EXPOSED EDGES $\frac{3}{4}$".

4. CONCRETE APRONS (SEPARATE STANDARD) ARE REQUIRED AT ALL OUTLETS. THE ENGINEER MAY ALLOW AN EXCEPTION FOR THE BED ROCK CONDITIONS. TOEWALLS UNDER PARAPETS MAY BE MODIFIED AT OUTLETS AS SHOWN ON STANDARD DETAIL FOR CONCRETE APRONS.

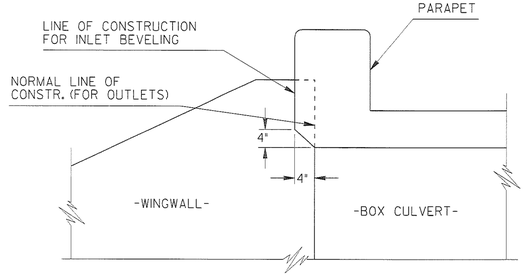
5. QUANTITIES FOR STEEL SHOWN ARE COMPUTED CONSIDERING ALL A,B,C,D,G AND H BARS AS PART OF BARREL QUANTITIES. STEEL PER LIN. FT. IS AN AVERAGE VALUE FOR A CULVERT OF 40' LENGTH ALLOWING ONE LAP IN LONGITUDINAL BARS.

6. PARAPETS AT INLETS SHALL BE CONSTRUCTED WITH A 4"/45° BEVEL.

7. COVER-CULVERT TO HAVE MINIMUM OF 1.0' BELOW BOTTOM OF BASE OR CONCRETE PAVEMENT.



NOTE: INLET BEVELING IS REQUIRED AT THE INLET OF ALL BOX CULVERTS EXTENDING FROM WINGWALL TO WINGWALL, AT TOP OF CULVERT AS SHOWN.



INLET BEVELING DETAIL

BOX CULVERT REQUIREMENTS:

MINIMUM FILL HEIGHT FROM TOP OF CULVERT TO BOTTOM OF BASE WITHIN TRAVELWAY SHALL BE 12 INCHES.

MAXIMUM POUR LENGTH SHALL NOT EXCEED 30 FEET ALONG THE LENGTH OF THE CULVERT.

TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN THE BARREL, NORMAL TO THE CENTERLINE OF CULVERT, AT THE OUTSIDE SHOULDER BREAK POINTS. LONGITUDINAL BARREL REINFORCING STEEL SHALL NOT BE CONTINUOUS THROUGH THESE JOINTS, PROVIDED THAT THE JOINTS ARE MORE THAN 15 FEET FROM THE BARREL ENDS.
WHEN TRANSVERSE CONSTRUCTION JOINTS OCCUR WITHIN 15 FEET OF THE BARREL ENDS OR WITHIN THE LIMITS OF THE PAVEMENT, THE LONGITUDINAL BARREL REINFORCING SHALL THEN BE CONTINOUS THROUGH SUCH JOINTS. THE MINIMUM LENGTH OF LAP SPLICE FOR LONGITUDINAL REINFORCING SHALL BE 24 INCHES.

TRANSVERSE CONSTRUCTION JOINTS PLACED AT ANY OTHER LOCATION NOT SPECIFIED ABOVE SHALL BE FORMED WITH NO LONGITUDINAL REINFORCING STEEL PASSING THROUGH THE JOINTS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
REINFORCED CONCRETE BOX CULVERTS SINGLE 3' X 2' TO TRIPLE 6' X 6' FOR 75°, 60°, AND 45° SKEWS

NO SCALE

REV. & REDR. NOV., 2001

DATE | REVISION

BY: DESIGNED ____ REDRAWN ____ TRACED ____ CHECKED ____

(SUBMITTED) James A. Kaul
STATE ROAD & AIRPORT DESIGN ENGINEER

(APPROVED) _____
CHIEF ENGINEER

NUMBER 2328
SHEET 3 OF 3